

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A golf ball having numerous dimples, which include polygonal dimples, provided on the surface thereof,

wherein a phantom spherical face of the golf ball is comparted into multiple spherical regular polygons with comparting lines formed by casting a reflection of sides of a semiregular polyhedron inscribed in the phantom spherical face onto the phantom spherical face, the spherical regular polygons include the dimples arranged therein;

wherein said spherical regular polygons include multiple first spherical regular polygons and multiple second spherical regular polygons that have a different number of vertices from that of said first spherical regular polygons formed with said comparting lines, all the first spherical regular polygons include the dimples arranged therein in a substantially equivalent manner with each other, and all the second spherical regular polygons include the dimples arranged therein in a substantially equivalent manner with each other;

wherein on each of said first spherical regular polygons, regular polygonal dimples each having the same number of vertices as the number of vertices of one of said first spherical regular polygons are mainly arranged, and on each of said second spherical regular polygons, regular polygonal dimples each having the same number of vertices as the number of vertices of one of said second spherical regular polygons are mainly arranged and

the proportion of the polygonal dimples with respect to the total number of the dimples is equal to or greater than 50%.

2. (Cancelled)

3. (Previously Presented) The golf ball according to claim 1, wherein said comparting line does not substantially intersect with any dimple.

4. (Cancelled)

5. (Previously Presented) The golf ball according to claim 1, wherein the number of vertices of one of said first spherical regular polygons is three, and the number of vertices of one of said second spherical regular polygons is four.

6. (Previously Presented) The golf ball according to claim 5, wherein said semiregular polyhedron is the cuboctahedron.

7. (Previously Presented) The golf ball according to claim 5, wherein said semiregular polyhedron is the snub cube.

8. (Previously Presented) The golf ball according to claim 7, wherein said compartmenting line does not intersect with any dimple, and wherein no great circle path is present on the surface of the golf ball.

9. (Previously Presented) The golf ball according to claim 1, wherein the proportion of total area of said dimples occupied with respect to the area of said phantom spherical face is equal to or greater than 70%.

10. (Previously Presented) The golf ball according to claim 1, wherein the proportion of regular polygonal dimples each having the same number of vertices as the number of vertices of one of said first spherical regular polygons disposed within each of said first spherical regular polygons is equal to or greater than 65%, and wherein the proportion of regular polygonal dimples each having the same number of vertices as the number of vertices of one of

said second spherical regular polygons disposed within each of said second spherical regular polygons is equal to or greater than 65%.

11. (Previously Presented) The golf ball according to claim 1, wherein the proportion of regular polygonal dimples each having the same number of vertices as the number of vertices of one of said first spherical regular polygons disposed within each of said first spherical regular polygons is equal to or greater than 80%, and wherein the proportion of regular polygonal dimples each having the same number of vertices as the number of vertices of one of said second spherical regular polygons disposed within each of said second spherical regular polygons is equal to or greater than 80%.

12. (Previously Presented) The golf ball according to claim 1, wherein the proportion of the polygonal dimples with respect to the total number of dimples is equal to or greater than 65%.

13. (Previously Presented) The golf ball according to claim 1, wherein the proportion of the polygonal dimples with respect to the total number of dimples is equal to or greater than 80%.

14. (Previously Presented) The golf ball according to claim 1, wherein the proportion of the polygonal dimples with respect to the total number of dimples is 100%.

15. (Previously Presented) The golf ball according to claim 1, wherein the proportion of total area of said dimples occupied with respect to the area of said phantom spherical face is equal to or greater than 75% and equal to or less than 95%.

16. (Previously Presented) The golf ball according to claim 1, wherein the proportion of total area of said dimples occupied with respect to the area of said phantom spherical face is equal to or greater than 80% and equal to or less than 95%.

17. (Previously Presented) The golf ball according to claim 1, wherein the proportion of total area of said dimples occupied with respect to the area of said phantom spherical face is equal to or greater than 85% and equal to or less than 95%.

18-21. (Cancelled)